

REMARKS

Reconsideration and reexamination of this application is respectfully requested in view of the foregoing amendment and the following remarks.

Claims 1-45 were pending herein. Claims 1, 17, 18, 33, 38, and 42 have been amended to more clearly recite the features of the present invention. Claims 44 and 45 have been canceled. Accordingly, claims 1-43 will be pending upon entry of this Amendment, of which claims 1, 17, 33, 38, and 42 are independent claims.

In the Office Action mailed February 12, 2003, claims 1, 4-5, 7, 12-15, 17-18, 20-21, 24, 26, 31-34, 36, 38, 41, and 44-45 were rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,185,426 to Alperovich et al. ("Alperovich").

Claims 2-3 and 22 were rejected under 35 U.S.C. 103(a) as being unpatentable over Alperovich in view of U.S. Patent No. 6,353,664 to Cannon et al. ("Cannon").

Claims 6, 8, 10-11, 28-30, 37, 39-40, and 42-43 were rejected under 35 U.S.C. 103(a) as being unpatentable over Alperovich in view of PCT application No. WO-99/27716 to Valentine ("Valentine").

Claims 9, 25, and 27 were rejected under 35 U.S.C. 103(a) as being unpatentable over Alperovich in view of U.S. Patent No. 6,505,049 to Dorenbosch ("Dorenbosch").

Claims 16 and 23 were rejected under 35 U.S.C. 103(a) as being unpatentable over Alperovich in view of U.S. Patent No. 5,596,625 to LeBlanc ("LeBlanc").

Claims 19 and 35 were rejected under 35 U.S.C. 103(a) as being unpatentable over Alperovich in view of U.S. Patent No. 6,028,921 to Malik et al. ("Malik").

To the extent that these rejections might be applied to the currently pending claims, Applicants respectfully traverse the rejections for the following reasons.

Rejection of Claims 1, 4-5, 7, 12-15, 17-18, 20-21, 24, 26, 31-34, 36, 38, 41, and 44-45 under 35 U.S.C. §102(e)

Claims 1, 4-5, 7, 12-15, 17-18, 20-21, 24, 26, 31-34, 36, 38, 41, and 44-45 were rejected under 35 U.S.C. 102(e) as being unpatentable over Alperovich.

Applicants have amended independent claims 1, 17, 33, and 38 to emphasize elements that Alperovich does not teach or suggest. As recited in amended claim 1, the method for delivering a calling party's location comprises receiving a call at a caller's party central office, in response to a query from the central office, retrieving, by using the service control point, location information associated with the calling party, and terminating the call and delivering the location information to the called party. The system of amended claim 17 comprises a called party's central office that receives a call from the calling party, wherein data associated with the call includes a directory number of the calling party, and a service control point that is adapted to, in response to a query received from the central office, search an address database for a location description, wherein the central office terminates the call and delivers the location description to a called party. The service control point of amended claim 33 is adapted to search an address database in response to a query for the calling party's location information, corresponding to the directory number and to return a response message to the central office with the calling party's location information. Further, amended claim 38 recites a system in which the service control

point is adapted to search an address database using a directory number associated with the calling party, in response to a query received from a called party's central office, wherein the called party's central office receives a call from the calling party, and to forward an associated location of the directory number to the central office, and the locations associated with the calling party is updated by the location system.

Alperovich, however, fails to teach or suggest systems and methods as recited in the present invention. Particularly, Alperovich inserts location information of the calling party in a message at a calling party's end office (originating switch), and then transfers the message with the location to a called party's end office (*i.e.*, called party's central office). There is no suggestion or teaching in Alperovich that the location information of the calling party is requested by the called party's central office after receiving a call from the calling party.

Alperovich also fails to teach or suggest that a service control point searches for the location information of the calling party when receiving a query from the called party's central office and then return the location information to the called party's central office, as recited in the present invention. In Alperovich, the location information is inserted into the message at the original switch before sending the message to the called party's central office.

The above differences can be found from Alperovich's specification. As described in column 2, lines 1-5, column 4, lines 37-42 and lines 53-57, Alperovich determines a location of the calling party at the originating switch, and transmits an approximate location of the calling party from the originating switch to the called party through the terminating switch (called party's end office). Further, in column 3, lines 34-40, when an MS 120 originates a call, MS 120

transmits a signal to BSS 125, which transmits a signal to MSC 114. The signal received by MSC 114 contains information regarding the directory number and location. From the descriptions relative to Figures 2 and 3, when the original switch 301 (*e.g.*, MSC 203) receives a call regarding an MS (such as 120), traffic handler 205 sends the information pertaining to location to the location database application 206, and sends information pertaining to the directory number to name database application 207. Location database 201 cross-references the location information received from traffic handler 205 and sends an approximate geographical landmark to the original switch 203. Original switch 203 then inserts the approximate geographical information in an initial address message (IAM) and transmits the IAM message to terminating switch 303 through an STP 302.

Accordingly, Alperovich at least fails to teach or suggest a service control point retrieving location information associated with the calling party in response to the query received from the called party's central office, as recited in amended claims 1, 17, 33, and 38. Applicants therefore respectfully submit that claims 1, 17, 33, and 38 are not anticipated by Alperovich et al. under 35 U.S.C. 102(e) and should be patentable.

Similarly, dependent claims 4-5, 7, 12-15, 18, 20-21, 24, 26, 31-32, 34, 36 and 41 are patentable at least due to their dependencies from patentable independent claims.

Further, as claims 44 and 45 are canceled, the rejection of these claims is now moot.

Rejection of Dependent claims 2-3, 22, 6, 8-11, 16, 19, 23, 25, 27-30, 35, 37 and 39-40 Under 35 U.S.C. §103(a)

Since from the reasons stated above, independent claims 1, 17, 33, and 38 are patentable over Alperovich, claims 2, 3, 22, 6, 8-11, 16, 19, 23, 25, 27-30, 35, 37 and 39-40 are considered patentable at least due to their dependencies from patentable independent claims.

Rejection of Claims 42 and 43 Under 35 U.S.C. §103(a)

Independent claim 42 recites a method for delivering a wireless calling party's location as part of a calling name delivery service, comprising receiving a call at a central office, triggering a query from a called party's central office to a service control point, in response to the query, retrieving, by using the service control point, a location and name of the calling party, translating the location into displayable form if the location is raw, returning call routing instructions, the name and the locations to the central office, and forwarding and displaying the name and location to the called party.

Valentine describes a telecommunications system and method for allowing a real-time lookup into a database within the Intelligent Network to determine regulatory requirements in a specific area. Valentine performs filtering of lawful intercept calls. When an emergency call is placed, Valentine allows a Mobile Service Center (MSC) to send a message containing both subscriber information and the geographic location of the subscriber. (See the abstract and page 5, lines 6-14.)

As described above, Alperovich fails to teach or suggest that the service control point retrieves a location and name of the calling party in response to the query from the called party's central office. Alperovich further fails to teach or suggest the translating of the location into displayable form if the location is raw, as is recited in claim 42. Indeed, Alperovich describes a wholly different approach that inserts the location information in a message before sending the message to the called party's central office. Therefore, there is no need to send a query from the called party's central office for retrieving the location information of the calling party. Since Alperovich describes a different approach and Valentine does not address the issue of delivering the location along with the name of the calling party, there is no motivation for one skilled in the art to combine these two prior art references to achieve the present invention. Accordingly, Applicants respectfully submit that claim 42 is patentable over Alperovich in view of Valentine.

Furthermore, claim 43 is also patentable at least due to its dependency from a patentable independent claim.

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In view of the foregoing, all of the claims in the present application are believed to be in condition for allowance. Should the Examiner have any questions or determine that any further action is desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone applicants' undersigned representative at the number listed below.

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Respectfully submitted,

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Attachments: Amended claims w/Marking

AB/CYM/dkp

VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

1. (Amended) A method for delivering a calling party's location comprising:
 - [a)] receiving a call at a called party's central office, wherein data associated with the call includes a directory number of the calling party;
 - [b)] triggering a query to a service control point from the central office;
 - [c)] in response to the query, retrieving, by using the service control point, location information associated with the calling party;
 - [d)] returning the location information to the central office; and
 - [e)] terminating the call and delivering the location information to the [a] called party.

17. (Amended) A system for delivering a calling party's location information, the system comprising:
 - [a)] an address database cross-referencing location descriptions with directory numbers;
 - [and]
 - [b)] a service control point in communication with the address database; and [,]
a called party's central office that receives a call from the calling party, wherein data associated with the call includes a directory number of the calling party,

wherein the service control point is adapted to, in response to a query received from the central office, [to receive a communication including a directory number of a calling party,]
search the address database for a location description corresponding to the directory number, and
to forward the location description to the central office, and

wherein the central office terminates the call and delivers the location description to the called party.

18. (Amended) The system of claim 17, wherein the query [communication] is a query for routing instructions, the service control point is adapted to provide routing instructions, and the service control point returns routing instructions with the location description to the [a] central office, which [that] forwards the location description to a display unit.

33. (Amended) A service control point for delivering a calling party's location information, the service control point comprising:

[a]) a first communication link for receiving a query requesting location information of a network device, the query including a directory number of the network device; and

[b]) a second communication link to an address database that cross-references calling party location information with directory numbers,

wherein the query is sent from a called party's central office that receives a call from the network device, wherein the service control point is adapted to, in response to the query, [receive the query and to] search the address database for the calling party's location information corresponding to the directory number and to return a response message to the called party's central office with the calling party's location information.

38. (Amended) A system for delivering a calling party's location information, the system comprising:

[a]] an address database that lists directory numbers and their associated locations;
[b]] a service control point in communication with the address database; and
[c]] a wireless network having a location system that tracks locations of wireless network devices,

wherein the service control point is adapted to, in response to a query received from a called party's central office, wherein the called party's central office receives a call from the calling party, search the address database using a directory number associated with the calling party, and to forward an associated location of the directory number to the central office, and wherein the location associated with the calling party is updated by the location system.

42. (Amended) A method for delivering a wireless calling party's location as part of a calling name delivery service, the method comprising:

[a]] receiving at a called party's central office a call to a subscriber of the calling name delivery system, the call including a directory number of the wireless calling party;

[b]] triggering a query from the central office to a service control point requesting call routing instructions;

[c]] in response to the query, retrieving, by using the service control point, a location and a name of the calling party using the directory number;

[c]] if the location is raw, translating the location into displayable form;

[e]] returning the call routing instructions, the name, and the location to the central office;

[f]] forwarding the call, the name, and the location to the subscriber; and

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[g)] displaying the name and the location on a calling number display unit of the subscriber.

44. (Deleted)

45. (Deleted)

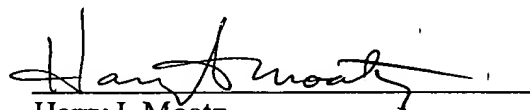
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Expires: December 4, 2003


Harry I. Moatz
Director of Enrollment and Discipline